

VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP -- CAUSTIC SODA LIQUID --
6810-00-174-6581

===== Product Identification =====

Product ID:CAUSTIC SODA LIQUID

MSDS Date:08/01/1991

FSC:6810

NIIN:00-174-6581

MSDS Number: BMXFW

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP

Address:8201 S 212TH ST

Box:34325

City:KENT

State:WA

ZIP:98032

Country:US

Info Phone Num:206-872-5000

Emergency Phone Num:206-872-5000

CAGE:0HVJ1

=== Contractor

Identification ===

Company Name:VAN WATERS AND ROGERS INC SUB OF UNIVAR CORP

Address:8201 S 212TH ST

Box:City:KENT

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Phone:206-872-5000

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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III) (DUST AND MIST)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 10-50%

Other REC Limits:THRESHLD:2MG/M3 CEIL

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====

LD50 LC50 Mixture:ACUTE ORAL LC50 (RBBT 10% SOL) 500 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:SODIUM HYDROXIDE AS SOLID/IN
DUST/MIST/SOLUTIONS MAY CAUSE IRRITATION OF EYES & W/GREATER
EXPOSURE, SEVERE BURNS W/POSSIBLE BLINDNESS. CONTACT OF SODIUM
HYDROXIDE MAY CAUSE INTENS
E PAIN, NAUSEA, VOMIT ING & COLLAPSE.
INGESTING SODIUM HYDROXIDE MAY CAUSE SEVERE
MOUTH/THROAT/ESOPHAGUS/STOMACH BURNS. DEATH MAY RESULT.**
Explanation of Carcinogenicity:CASES OF SQUAMOUS CELL CARCINOMA OF THE
ESOPHAGUS HAVE OCCURRED YEARS AFTER INGESTION.
Effects of Overexposure:**INHALATION OF DUST OR MIST CAN CAUSE INJURY
TO ENTIRE RESPIRATORY TRACT. REPEATED LOCAL CONTACT OF DUSTS, MISTS
OR SOLUTIONS MAY CAUSE BURNS & PERMANENT SCARRING. SODIUM HYDROXIDE
SOLUTIONS CA
USE BU RNS ON CONTACT W/BODY TISSUES. PROLONGED CONTACT
W/DILUTE SOLUTION MAY CAUSE TISSUE DESTRUCTION. IRRIT AT CONC
.12%/1HR.
Medical Cond Aggravated by Exposure:N/K ## TRICHLOROETHYLENE. MAY CAUSE
FIRE/EXPLOS. CONTACT W/METALS (ALUMINUM). TIN, ZINC CAUSE FORMATION
OF FLAMM HYDROGEN GAS. CONTACT W/NITROMETHANE & LIKE NITRO COMPOUND
CAUSE FORM SENSITIVE SALTS.

===== First Aid Measures =====

First Aid:EYE: IMMED FLUSH W/WTR 15 MIN. HOLD
LIDS APART. GET IMMED MED
AID. SKIN: IMMED FLUSH W/WTR. WASH W/SOAP, WTR. IF LRG AREA
CONTAM/CLOTH PENETRATED TO SKIN, IMMED USE SFTY SHOWER, REMOVE
CLOTH UNDER SHO WER. FLUSH W/WTR 15 MIN. GET PROMPT MEDAID. WASH
CLOTH BEFORE REUSE. INHAL: MOVE TO FRESH AIR. IF BREATH STOPPED,
GIVE ARTIF RESP. GET IMMED MED AID. INGEST: IF CONSCIOUS, IMMED
ADMIN LRG QTY WTR.***

===== Fire Fighting Measures =====

Flash Point:NOT FLAMMABLE
Extinguishing

Media:NOT COMBUSTIBLE. USE EXTINGUISHING AGENTS, AS MAY BE SUITABLE FOR MATERIAL IN SURROUNDING FIRE.
Fire Fighting Procedures:NOT COMBUSTIBLE. USE CLOTHING & SAFETY EQUIPMENT AS MAY BE SUITABLE FOR SODIUM HYDROXIDE & MATERIALS IN THE SURROUNDING FIRE. MORE INFO-ORIGINAL MSDS
Unusual Fire/Explosion Hazard:WTR ADDED TO SODIUM HYDROXIDE SOLUTION MAY CAUSE LOCAL OVERHEAT/SPLATTER. SODIUM HYDROXIDE REACTS W/ALUMIN, ZINC, ALLOYS GENERATES HYDROGEN GAS (FLAMM/EXPLOS).

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===== Accidental Release Measures =====

Spill Release Procedures:ONLY TRAINED PERSONNEL WEARING PROTECT EQUIP. AVOID PERSONAL CONTACT. CONTAIN SPILL, IF NOT DILUTE/FLUSH W/WTR. FOLLOWING FLUSHING, NEUTRALIZE. IN SOME LOCATIONS LIBERAL COVERING OF SODIUM BICARBONATE MAY BE USED. IF SPILL ENTERS SEWER SYS/STREAM****
Neutralizing Agent:DILUTED ACID, PREFERABLE ACETIC.

===== Handling and Storage =====

Handling and Storage Precautions:PREVENT EYE/SKIN CONTACT BY WEARING PROTECTIVE CLOTH/EQUIP. STORAGE TANKS MUST BE VENTED/DIKED. STORE DRUMS AWAY FROM ACIDS, METALS, EXPLOSIVES.
Other Precautions:PROVIDE DRAINAGE. WHEN DILUTING, USE AGITATION & ADD CONC CAUSTIC TO WATER AT CONTROLLED RATE. DO NOT ADD WATER TO SODIUM HYDROXIDE. SODIUM HYDROXIDE CHEMICAL SUBSTANCE FOR WHICH INFO IS CONTAINED IN COMPUTERIZED DATABASE (IRPTC).

===== Exposure Controls/Personal Protection =====

Respiratory Protection:PROVIDE MIST PROTECTIONS WHERE APPLICABLE. USE NIOSH/MSHA APPROVED RESPIRATORS.
Ventilation:VENT IS NOT USUALLY REQUIRED FOR CAUSTIC SOLUTIONS. AVOID CREATION OF MIST/SPRAY. IF PRESENT, PROVIDE LOCAL EXHAUST SYS.
Protective Gloves:IMPERVIOUS RUBBER, NEOPRENE, OR VINYL.
Eye Protection:CHEMICAL GOGGLES, FACE SHIELD.
Other Protective Equipment:EYE WASH & SAFETY SHOWER (IMMED AREAS). IMPERVIOUS RUBBER/NEOPRENE SUITS, RUBBER SHOES/BOOTS. PLASTIC HARD HAT W/BRIM.
Supplemental

ntal Safety and Health

**** DO NOT INDUCE VOMITING. AVOID HAVING UNCONSCIOUS PERSON VOMIT. GET IMMEDIATELY MEDICAL AID.**

===== Physical/Chemical Properties =====

HCC:B1

Boiling Pt:B.P. Text:293F,145C

Melt/Freeze Pt:M.P/F.P Text:55.F,12.8C

Vapor Pres:1.5 @ 20 C

Spec Gravity:1.541 @ 60 F

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS TO SLIGHTLY GRAY, ODORLESS SOLUTION.

===== Stability and Reactivity Data =====

WTR MA

Y CAUSE LOCALIZED OVER HEATING & SPLATTERING. CONTACT W/ACIDS, FLAMM LIQ, ORGANIC HALOGEN COMPOUNDS ESPECIALLY ##

Stability Condition to Avoid:OVERHEAT ACCELERATES CORROSION. STORE AWAY FROM MAT'L WHICH CAN REACT W/SODIUM HYDROXIDE, ESP ACIDS, CHLOROCARBONS #

Hazardous Decomposition Products:N/K # NITROPARAFFINS, PHOSPHORUS. WHEN DILUTING, USE AGITATION & ADD CONC SODIUM HYDROXIDE TO WTR AT CONTROLLED RATE ###

===== Disposal Considerations =====

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Waste Disposal Methods:DISPOSE IN CHEM DISPOSAL AREA OR IN MANNER WHICH COMPLIES W/LOCAL, STATE & FED REGS. DON'T FLUSH TO SEWER.

****NOTIFY AUTHORITIES/POLUTION CNTRL AUTHORITIES.

REPORT SPILL OF 10,0 00 LBS OR MORE TO NAT'L RESPONSE CTR
800-424-8802.

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